

Appl. No. 09/596,114
Amendment dated January 25, 2005
Reply to Office Action of October 5, 2004

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Amendments to the Claims:

Please amend claims 124, 147 and 150 and add new claims 168-171 as follows. The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-123 (Cancelled).

Claim 124 (Currently Amended). A book copying system for copying a book based on electronic image data obtained through a network, comprising:

5 a data service system connected to the network and to supply electronic image data of a book through the network, the data service system having a data storage section in which image data of a plurality of different books are stored and a data managing section to manage the image data;

10 a print service station connected to the network and having a print section which comprises an input section, an image reading section to read an image of a document, and an image forming section and which is installed at a place to where a user carries a document, operates a print section the image reading

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section to read an image of the document so as to generate image

15 data of the document and to make a ~~print~~ copy of ~~[[a]]~~ the
document based on the generated image data and at where a user
operates ~~[[an]]~~ the input section to input a print order of the
user to print a copy of an ordered book, the print service
station having ~~the input device~~ a print managing section to
20 communicate with the data service system so as to obtain image
data of the ordered book from the data storage section through
the network and the print section to print a copy of the ordered
book based on the obtained image data through the network ~~[[;]]~~

~~wherein the print service station selectively sets a~~
25 ~~printing condition in accordance with the print order and sets a~~
~~print service charge in accordance with the selected printing~~
~~condition,~~

~~wherein after the print service station prints the image~~
~~data, the print service station determines a print service charge~~
30 ~~in accordance with a print result of the copy of the ordered~~
~~book, and~~

~~wherein the data service system sets a data service charge~~
~~for the image data of the ordered book, and~~

~~a calculating section connected to the network to receive~~
35 ~~the data service charge and the print service charge and to~~

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~~calculate a copy charge based on the data service charge and the
print service charge and to conduct a payment charging process
for the user in accordance with the calculated copy charge.~~

Claim 125 (Cancelled).

Claim 126 (Previously Presented). The book copying system
of claim 124, wherein the print service station reports a print
result of the copy to the calculating section and the calculating
section reduces the copy charge in accordance with the printing
5 result of the copy.

Claim 127 (Previously Presented). The book copying system
of claim 126, wherein the print service station comprises a copy
result detecting section which reports the printing result.

Claim 128 (Previously Presented). The book copying system
of claim 126, wherein the printing result includes a notice to
indicate successful printing.

Claim 129 (Cancelled).

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Claim 130 (Previously Presented). The book copying system of claim 124, wherein when the calculating section is provided in the print service station, the data service system transmits the data service charge through the network to the print service station so that the calculating section calculates the copy charge.

Claim 131 (Previously Presented). The book copying system of claim 124, wherein when the calculating section is provided in the data service system, the print service station transmits the print service charge through the network to the data service system so that the calculating section calculates the copy charge.

Claim 132 (Previously Presented). The book copying system of claim 131, wherein after the print service station prints the copy, the print service station transmits the print service charge through the network to the data service system so that the calculating section calculates the copy charge.

Claim 133 (Previously Presented). The book copying system of claim 124, wherein the data service system sets the data

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service charge based on at least one of a royalty of a copyright
on the book, a data conversion fee to convert an original book
5 into electronic image data and a service charge to transmit the
image data.

Claim 134 (Previously Presented). The book copying system
of claim 133, wherein when the copyright on the ordered book is
terminated, the data service system excludes the royalty of the
copyright from the data service charge.

Claim 135 (Previously Presented). The book copying system
of claim 124, wherein the print service station sets the print
service charge based on at least one of a rental fee for
materials and a rental fee for a printer which is used for
5 printing the image data.

Claim 136 (Previously Presented). The book copying system
of claim 135, wherein before the print service station prints the
image data, the print service station estimates the copy service
charge based on at least one of the rental fee for the materials
5 and the rental fee for the printer which are expected to be used
for printing the image data.

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Claim 137 (Previously Presented). The book copying system of claim 135, wherein after the print service station printed the image data, the print service station sets the copy service charge based on at least one of the rental fee for the materials and the rental fee for the printer which were used for printing the image data.

Claim 138 (Cancelled).

Claim 139 (Previously Presented). The book copying system of claim 135, wherein the print service station comprises a plurality of printers and sets the print service charge for each of the plurality of printers.

Claim 140 (Previously Presented). The book copying system of claim 124, wherein at least one of the data service charge and the print service charge is encrypted.

Claim 141 (Previously Presented). The book copying system of claim 140, wherein at least one of the data service charge and the print service charge is provided with a digital signature encrypted with a cryptography key.

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Claim 142 (Previously Presented). The book copying system of claim 124, wherein at least one of the data service system and the print service station comprises a data processing section to compile the image data in accordance with the print specification
5 of the user, the print service station controls a printing condition to print the compiled image data by the print section in accordance with the print specification,

wherein the print service station sets an estimated copy charge in accordance with the print specification and indicates
10 the estimated copy charge for the user, and

wherein when the user agrees to the estimated copy charge, the print service station sends an order signal to the data service system.

Claim 143 (Cancelled).

Claim 144 (Previously Presented). The book copying system of claim 142, wherein the data service system transmits an estimated data service charge for the image data of the ordered book to the print service station and the print service station
5 sets the estimated copy charge based on the estimated data service charge.

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Claim 145 (Previously Presented). The book copying system of claim 144, wherein the data service system transmits the estimated data service charge together with a period of validity and when the period of validity has expired, the data service
5 system makes the estimated data service charge invalid.

Claim 146 (Cancelled).

Claim 147 (Currently Amended). The book copying system of claim 142, wherein the data management section of the data service system transmits job ID information to the print service station and the data storage section.

Claim 148 (Previously Presented). The book copying system of claim 147, wherein when the user agrees to an estimated copy charge and sends an order signal, the data service system transmits job ID information to the print service station.

Claim 149 (Previously Presented). The book copying system of claim 147, wherein the data storage section specifies image data and the print service station to be sent the image data on the basis of the job ID information.

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Claim 150 (Currently Amended). The book copying system of claim 149, wherein the data storage section collates the job ID information ~~transmitted~~ sent to the print service station with the job ID information sent from the data managing section.

- 5 [[and]] specifies the print service station having the same job ID information with the job ID information sent from the data managing section, to be sent and sends the image data to the print service station having the same job ID information.

- Claim 151 (Previously Presented). The book copying system of claim 149, wherein the data storage section forwards the job ID information sent to the print service station to the data managing section and the data managing section collates the job
- 5 ID information with the job ID information forwarded from the data storage section and specifies the print service station to which the image data will be sent.

Claim 152 (Previously Presented). The book copying system of claim 151, wherein the data managing section transmits a data storing location to the print service station in response to the order signal.

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Claim 153 (Previously Presented). The book copying system of claim 152, wherein the print service station accesses the data storage section on the basis of the obtained data storing location and sends the print specification to the data storage
5 section.

Claim 154 (Previously Presented). The book copying system of claim 153, wherein the data storage section includes the data processing section which compiles the image data on the basis of the print specification.

Claim 155 (Previously Presented). The book copying system of claim 153, wherein the print specification includes a print mode and the data processing section compiles a page arrangement in accordance with the print mode.

Claim 156 (Previously Presented). The book copying system of claim 155, wherein the print mode includes a page-unit print and a book-unit print.

Claim 157 (Previously Presented). The book copying system of claim 153, wherein the data storage section encrypts the image

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data and the print service station decrypts the encrypted data and conducts the printing on the basis of the decrypted data.

Claim 158 (Previously Presented). The book copying system of claim 157, wherein the print service station conducts a trial printing before the printing.

Claim 159 (Previously Presented). The book copying system of claim 153, wherein the print managing section of the print service station requests the print section to conduct the printing after obtaining the image data from the data storing
5 location.

Claim 160 (Previously Presented). The book copying system of claim 159, wherein the print service station reports a print result of the copy and the book copying system adjusts the copy charge in accordance with the printing result of the copy.

Claim 161 (Previously Presented). The book copying system of claim 160, wherein the book copying system conducts a payment charging processing on the basis of the printing result.

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Claim 162 (Previously Presented). The book copying system of claim 160, wherein at least one of the estimated copy charge and the printing result is provided with a digital signature by a public key cryptograph method.

Claim 163 (Previously Presented). The book copying system of claim 142, wherein when the print service station requests a log-in for the data service system, the data service system certifies the request of log-in of the print service station.

Claim 164 (Previously Presented). The book copying system of claim 163, wherein the print service station is provided with a cryptograph key for each client and when the print service station accesses the data service system, the print service
5 station makes a digital signature encrypted by the cryptograph key.

Claim 165 (Previously Presented). The book copying system of claim 163, wherein when the print service station accesses the service system, the print service station makes a digital signature by a public key cryptograph method.

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Claim 166 (Previously Presented). The book copying system of claim 142, wherein when the calculating section is provided in the print service station, the data service system transmits the data service charge through the network to the print service
5 station so that the calculating section calculates the copy charge.

Claim 167 (Previously Presented). The book copying system of claim 142, wherein when the calculating section is provided in the data service system, the print service station transmits the print service charge through the network to the data service
5 system so that the calculating section calculates the copy charge.

Claim 168 (New). The book copying system of claim 124, wherein the print service station selectively sets a printing condition in accordance with the print order and sets a print service charge in accordance with the selected printing
5 condition.

Claim 169 (New). The book copying system of claim 124, wherein after the print service station prints the image data,

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the print service station determines a print service charge in accordance with the print result of the copy of the ordered book.

Claim 170 (New). The book copying system of claim 124, wherein the data service system sets a data service charge for the image data of the ordered book.

Claim 171 (New). The book copying system of claim 124, further comprising:

a calculating section connected to the network to receive the data service charge and the print service charge and to
5 calculate a copy charge based on the data service charge and the print service charge and to conduct a payment charging process for the user in accordance with the calculated copy charge.